

Claims

1. A bumper beam of high strength steel comprising a hat profile (11-15) with a cover (10),
characterised in that the beam has a central portion (22) with lower profile than the side portions (20,21) and, unlike the side portions, this lower central portion (22) has a reinforcement in the form of a bent edge (23,24) on at least one of the side flanges (14,15) of the hat profile, said edge being bent towards the cover.
2. A vehicle having a front bumper beam mounted with its side portions (20,21) on the side rails (18,19) of the vehicle, the bumper beam comprising a hat profile (11-15) with a cover (10), the cover facing forwards,
characterised in that the beam has a central portion (22) with lower profile than the side portions (20,21) and, unlike the side portions, this lower central portion (22) has a reinforcement in the form of a bent edge (23,24) on at least one of the side flanges (14,15) of the hat profile, said edge being bent towards the cover.
3. A vehicle according to claim 2, **characterised in** that the lower one (14) of the side flanges is straight horizontally whereas the upper one (15) of the side flanges is bent downwardly from the side portions (20,21) towards the central portion (22) by the crown (11-13) being thinner in the central portion than in the side portions.
4. A vehicle according to claim 3, **characterised in** that the upper side flange (15) has a bent edge (24) whereas the lower side flange (14) has no such bent edge.